

INTERNATIONAL SEARCH REPORT

national Application No

CT/IB 03/05502

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H01L21/336 H01L21/8247 H01L27/115

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 6 093 606 A (CHEN SHUI-HUNG ET AL) 25 July 2000 (2000-07-25) the whole document	1, 3, 4, 15 5-14
X A	US 2002/096703 A1 (VORA MADHUKAR B) 25 July 2002 (2002-07-25) the whole document	1-4, 15 5, 14
X A	US 5 258 634 A (YANG MING-TZONG) 2 November 1993 (1993-11-02) the whole document	1, 3, 4, 15 5-14
X A	US 6 130 453 A (MEI SHAW-NING ET AL) 10 October 2000 (2000-10-10) the whole document	1, 3, 4, 15 5-14
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
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Date of the actual completion of the international search

30 June 2004

Date of mailing of the international search report

08/07/2004

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INTERNATIONAL SEARCH REPORT

International Application No

307/IB 03/05502

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 386 132 A (WONG CHUN C D) 31 January 1995 (1995-01-31)	1,3,4,15
A	the whole document	5-14
X	US 5 049 956 A (YOSHIDA TOHRU ET AL) 17 September 1991 (1991-09-17)	1,3,4,15
	the whole document	

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6093606	A	25-07-2000	US 6548856 B1	15-04-2003
US 2002096703	A1	25-07-2002	NONE	
US 5258634	A	02-11-1993	US 5180680 A	19-01-1993
US 6130453	A	10-10-2000	NONE	
US 5386132	A	31-01-1995	US 5739567 A	14-04-1998
			US 5828602 A	27-10-1998
			US 5616510 A	01-04-1997
US 5049956	A	17-09-1991	JP 2070806 C	10-07-1996
			JP 3044970 A	26-02-1991
			JP 7105453 B	13-11-1995
			KR 9309138 B1	23-09-1993